

Marco Antonio Nogueira

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94
papers

2,548
citations

28
h-index

47
g-index

99
ext. papers

3,147
ext. citations

2.9
avg, IF

5.46
L-index

#	Paper	IF	Citations
94	Soil health: looking for suitable indicators. What should be considered to assess the effects of use and management on soil health?. <i>Scientia Agricola</i> , 2013 , 70, 274-289	2.5	206
93	Co-inoculation of soybeans and common beans with rhizobia and azospirilla: strategies to improve sustainability. <i>Biology and Fertility of Soils</i> , 2013 , 49, 791-801	6.1	179
92	Microbial inoculants: reviewing the past, discussing the present and previewing an outstanding future for the use of beneficial bacteria in agriculture. <i>AMB Express</i> , 2019 , 9, 205	4.1	138
91	Assessing inoculation methods of maize and wheat with <i>Azospirillum brasilense</i> . <i>AMB Express</i> , 2016 , 6, 3	4.1	111
90	Soil metagenomics reveals differences under conventional and no-tillage with crop rotation or succession. <i>Applied Soil Ecology</i> , 2013 , 72, 49-61	5	92
89	Soybean Seed Co-Inoculation with <i>Bradyrhizobium</i> spp. and <i>Azospirillum brasilense</i> : A New Biotechnological Tool to Improve Yield and Sustainability. <i>American Journal of Plant Sciences</i> , 2015 , 06, 811-817	0.5	87
88	Microbial indicators of soil health as tools for ecological risk assessment of a metal contaminated site in Brazil. <i>Applied Soil Ecology</i> , 2012 , 59, 96-105	5	82
87	Inoculation of <i>Brachiaria</i> spp. with the plant growth-promoting bacterium <i>Azospirillum brasilense</i> : An environment-friendly component in the reclamation of degraded pastures in the tropics. <i>Agriculture, Ecosystems and Environment</i> , 2016 , 221, 125-131	5.7	74
86	Root colonization and spore abundance of arbuscular mycorrhizal fungi in distinct successional stages from an Atlantic rainforest biome in southern Brazil. <i>Mycorrhiza</i> , 2013 , 23, 221-33	3.9	72
85	Promising indicators for assessment of agroecosystems alteration among natural, reforested and agricultural land use in southern Brazil. <i>Agriculture, Ecosystems and Environment</i> , 2006 , 115, 237-247	5.7	66
84	Root mycorrhizal colonization and plant responsiveness are related to root plasticity, soil fertility and successional status of native woody species in southern Brazil. <i>Journal of Tropical Ecology</i> , 2007 , 23, 53-62	1.3	61
83	Metagenomic analysis reveals microbial functional redundancies and specificities in a soil under different tillage and crop-management regimes. <i>Applied Soil Ecology</i> , 2015 , 86, 106-112	5	58
82	Changes in arbuscular mycorrhizal associations and fine root traits in sites under different plant successional phases in southern Brazil. <i>Mycorrhiza</i> , 2008 , 19, 37-45	3.9	53
81	Co-Inoculation of Soybean with <i>Bradyrhizobium</i> and <i>Azospirillum</i> : Promotes Early Nodulation. <i>American Journal of Plant Sciences</i> , 2015 , 06, 1641-1649	0.5	49
80	Isolation, characterization and selection of indigenous strains with outstanding symbiotic performance to increase soybean yields in Mozambique. <i>Agriculture, Ecosystems and Environment</i> , 2017 , 246, 291-305	5.7	48
79	Maize growth promotion by inoculation with <i>Azospirillum brasilense</i> and metabolites of <i>Rhizobium tropici</i> enriched on lipo-chitoooligosaccharides (LCOs). <i>AMB Express</i> , 2015 , 5, 71	4.1	48
78	Shifts in taxonomic and functional microbial diversity with agriculture: How fragile is the Brazilian Cerrado?. <i>BMC Microbiology</i> , 2016 , 16, 42	4.5	47

77	Manganese Toxicity in Mycorrhizal and Phosphorus-Fertilized Soybean Plants. <i>Journal of Plant Nutrition</i> , 2004 , 27, 141-156	2.3	46
76	Biotechnological potential of rhizobial metabolites to enhance the performance of Bradyrhizobium spp. and Azospirillum brasilense inoculants with soybean and maize. <i>AMB Express</i> , 2013 , 3, 21	4.1	45
75	Evaluation of the antibiotic activity of extracellular compounds produced by the Pseudomonas strain against the Xanthomonas citri pv. citri 306 strain. <i>Biological Control</i> , 2011 , 56, 125-131	3.8	45
74	Environmental risk assessment of a metal-contaminated area in the Tropics. Tier I: screening phase. <i>Journal of Soils and Sediments</i> , 2010 , 10, 1557-1571	3.4	43
73	Response of determinate and indeterminate soybean cultivars to basal and topdressing N fertilization compared to sole inoculation with Bradyrhizobium. <i>Field Crops Research</i> , 2016 , 195, 21-27	5.5	41
72	Effects of land use on soil organic carbon and microbial processes associated with soil health in southern Brazil. <i>European Journal of Soil Biology</i> , 2013 , 55, 117-123	2.9	41
71	Investment in Fine Roots and Arbuscular Mycorrhizal Fungi Decrease During Succession in Three Brazilian Ecosystems. <i>Biotropica</i> , 2012 , 44, 141-150	2.3	37
70	Strategies to promote early nodulation in soybean under drought. <i>Field Crops Research</i> , 2016 , 196, 160-167	5.3	35
69	Revealing strategies of quorum sensing in Azospirillum brasilense strains Ab-V5 and Ab-V6. <i>Archives of Microbiology</i> , 2018 , 200, 47-56	3	33
68	Changes in the genetic structure of Bacteria and microbial activity in an agricultural soil amended with tannery sludge. <i>Soil Biology and Biochemistry</i> , 2011 , 43, 106-114	7.5	31
67	Biochemical and molecular characterization of high population density bacteria isolated from sunflower. <i>Journal of Microbiology and Biotechnology</i> , 2012 , 22, 437-47	3.3	28
66	Interaction among N-fixing bacteria and AM fungi in Amazonian legume tree (Schizolobium amazonicum) in field conditions. <i>Applied Soil Ecology</i> , 2008 , 39, 144-152	5	27
65	Ecological Risk Assessment of a Metal-Contaminated Area in the Tropics. Tier II: Detailed Assessment. <i>PLoS ONE</i> , 2015 , 10, e0141772	3.7	26
64	Draft Genome Sequences of Azospirillum brasilense Strains Ab-V5 and Ab-V6, Commercially Used in Inoculants for Grasses and Legumes in Brazil. <i>Genome Announcements</i> , 2018 , 6,		25
63	Mineral nitrogen impairs the biological nitrogen fixation in soybean of determinate and indeterminate growth types. <i>Journal of Plant Nutrition</i> , 2017 , 40, 1690-1701	2.3	24
62	Antioxidant activity and induction of mechanisms of resistance to stresses related to the inoculation with Azospirillum brasilense. <i>Archives of Microbiology</i> , 2018 , 200, 1191-1203	3	24
61	Feasibility of Lowering Soybean Planting Density without Compromising Nitrogen Fixation and Yield. <i>Agronomy Journal</i> , 2014 , 106, 2118-2124	2.2	24
60	Plants of Distinct Successional Stages Have Different Strategies for Nutrient Acquisition in an Atlantic Rain Forest Ecosystem. <i>International Journal of Plant Sciences</i> , 2019 , 180, 186-199	2.6	23

59	Sporulation and diversity of arbuscular mycorrhizal fungi in Brazil Pine in the field and in the greenhouse. <i>Mycorrhiza</i> , 2007 , 17, 519-526	3.9	23
58	Interactions between diazotrophic bacteria and mycorrhizal fungus in maize genotypes. <i>Scientia Agricola</i> , 2008 , 65, 525-531	2.5	22
57	Changes in root morphological traits in soybean co-inoculated with Bradyrhizobium spp. and Azospirillum brasilense or treated with A. brasilense exudates. <i>Biology and Fertility of Soils</i> , 2020 , 56, 537-549	6.1	21
56	Plant growth and phosphorus uptake in mycorrhizal rangpur lime seedlings under different levels of phosphorus. <i>Pesquisa Agropecuaria Brasileira</i> , 2006 , 41, 93-99	1.8	21
55	Outstanding impact of Azospirillum brasilense strains Ab-V5 and Ab-V6 on the Brazilian agriculture: Lessons that farmers are receptive to adopt new microbial inoculants. <i>Revista Brasileira De Ciencia Do Solo</i> , 2021 , 45,	1.5	19
54	Selection of host-plant genotype: the next step to increase grain legume N2 fixation activity. <i>Journal of Experimental Botany</i> , 2018 , 69, 3523-3530	7	18
53	Feasibility of transference of inoculation-related technologies: A case study of evaluation of soybean rhizobial strains under the agro-climatic conditions of Brazil and Mozambique. <i>Agriculture, Ecosystems and Environment</i> , 2018 , 261, 230-240	5.7	18
52	Identifying indicators of C and N cycling in a clayey Ultisol under different tillage and uses in winter. <i>Applied Soil Ecology</i> , 2014 , 76, 95-101	5	17
51	Succession and environmental variation influence soil exploration potential by fine roots and mycorrhizal fungi in an Atlantic ecosystem in southern Brazil. <i>Journal of Tropical Ecology</i> , 2014 , 30, 237-248	1.3	16
50	Phosphorus availability changes the internal and external endomycorrhizal colonization and affects symbiotic effectiveness. <i>Scientia Agricola</i> , 2007 , 64, 295-300	2.5	15
49	Infection intensity, spore density and inoculum potential of arbuscular mycorrhizal fungi decrease during secondary succession in tropical Brazilian ecosystems. <i>Journal of Tropical Ecology</i> , 2012 , 28, 453-462	1.3	14
48	Interações microbianas na disponibilidade e absorção de manganês por soja. <i>Pesquisa Agropecuaria Brasileira</i> , 2002 , 37, 1605-1612	1.8	14
47	Seed pre-inoculation with Bradyrhizobium as time-optimizing option for large-scale soybean cropping systems. <i>Agronomy Journal</i> , 2020 , 112, 5222-5236	2.2	13
46	Effects of tannery sludge application on physiological and fatty acid profiles of the soil microbial community. <i>Applied Soil Ecology</i> , 2012 , 61, 92-99	5	12
45	Outstanding impact of soil tillage on the abundance of soil hydrolases revealed by a metagenomic approach. <i>Brazilian Journal of Microbiology</i> , 2018 , 49, 723-730	2.2	11
44	Biomass Yield, Nitrogen Accumulation and Nutritive Value of Mavuno Grass Inoculated with Plant Growth-promoting Bacteria. <i>Communications in Soil Science and Plant Analysis</i> , 2019 , 50, 1931-1942	1.5	11
43	Differences between root traits of early- and late-successional trees influence below-ground competition and seedling establishment. <i>Journal of Tropical Ecology</i> , 2016 , 32, 300-313	1.3	10
42	Arbuscular mycorrhizas increase survival, precocity and flowering of herbaceous and shrubby species of early stages of tropical succession in pot cultivation. <i>Journal of Tropical Ecology</i> , 2014 , 30, 599-614	1.3	9

41	Magnesium-manganese interaction in soybean cultivars with different nutritional requirements. <i>Journal of Plant Nutrition</i> , 2017 , 40, 372-381	2.3	9
40	Method for Recovering and Counting Viable Cells from Maize Seeds Inoculated with <i>Azospirillum brasilense</i> . <i>Journal of Pure and Applied Microbiology</i> , 2020 , 14, 195-204	0.9	9
39	<i>Azospirillum</i> inoculation of Marandu Palisade grass seeds: effects on forage production and nutritional status. <i>Semina: Ciências Agrárias</i> , 2020 , 41, 465-478	0.6	9
38	Preinoculation of Soybean Seeds Treated with Agrichemicals up to 30 Days before Sowing: Technological Innovation for Large-Scale Agriculture. <i>International Journal of Microbiology</i> , 2017 , 2017, 5914786	3.6	8
37	Water restriction and physiological traits in soybean genotypes contrasting for nitrogen fixation drought tolerance. <i>Scientia Agricola</i> , 2017 , 74, 110-117	2.5	8
36	Microbial diversity in an Oxisol under no-tillage and conventional tillage in southern Brazil. <i>Revista Ciencia Agronomica</i> , 2014 , 45, 863-870	1	8
35	Dosage-dependent shift in the spore community of arbuscular mycorrhizal fungi following application of tannery sludge. <i>Mycorrhiza</i> , 2011 , 21, 515-522	3.9	8
34	Gas Exchanges and Biological Nitrogen Fixation in Soybean under Water Restriction. <i>American Journal of Plant Sciences</i> , 2014 , 05, 4011-4017	0.5	8
33	Soil quality indicators in a rhodic kandiuult under different uses in northern Parana, Brazil. <i>Revista Brasileira De Ciencia Do Solo</i> , 2014 , 38, 50-59	1.5	7
32	Land application of municipal landfill leachate: fate of ions and ammonia volatilization. <i>Journal of Environmental Quality</i> , 2013 , 42, 523-31	3.4	7
31	Classic and molecular study of <i>Giardia duodenalis</i> in children from a daycare center in the region of Presidente Prudente, São Paulo, Brazil. <i>Revista Do Instituto De Medicina Tropical De Sao Paulo</i> , 2009 , 51, 19-24	2.2	7
30	Mycorrhizal dependency of mangaba tree under increasing phosphorus levels. <i>Pesquisa Agropecuaria Brasileira</i> , 2008 , 43, 887-892	1.8	7
29	Quorum sensing communication: Bradyrhizobium-Azospirillum interaction via N-acyl-homoserine lactones in the promotion of soybean symbiosis. <i>Journal of Basic Microbiology</i> , 2019 , 59, 38-53	2.7	7
28	Importance of Mycorrhizae in Tropical Soils 2017 , 245-267		6
27	Reclamation status of a degraded pasture based on soil health indicators. <i>Scientia Agricola</i> , 2015 , 72, 195-202	2.5	6
26	Compatibility of with Pesticides Used for Treatment of Maize Seeds. <i>International Journal of Microbiology</i> , 2020 , 2020, 8833879	3.6	6
25	The Challenge of Combining High Yields with Environmentally Friendly Bioproducts: A Review on the Compatibility of Pesticides with Microbial Inoculants. <i>Agronomy</i> , 2021 , 11, 870	3.6	6
24	INFLUENCE OF MYCORRHIZAS, ORGANIC SUBSTRATES AND CONTAINER VOLUMES ON THE GROWTH OF <i>Heliocarpus popayanensis</i> Kunth. <i>Cerne</i> , 2015 , 21, 395-403	0.7	5

23	Physiological and N ₂ -fixation-related traits for tolerance to drought in soybean progenies. <i>Pesquisa Agropecuaria Brasileira</i> , 54,	1.8	5
22	Inoculaço de bactrias promotoras do crescimento vegetal em Urochloa Ruziziensis. <i>Research, Society and Development</i> , 2020, 9,	1.1	5
21	Strategies to deal with drought-stress in biological nitrogen fixation in soybean. <i>Applied Soil Ecology</i> , 2022, 172, 104352	5	4
20	Yield, yield components and nutrients uptake in Zuri Guinea grass inoculated with plant growth-promoting bacteria. <i>International Journal for Innovation Education and Research</i> , 2020, 8, 103-124 ^{0.1}	0.1	4
19	Towards sustainable yield improvement: field inoculation of soybean with Bradyrhizobium and co-inoculation with Azospirillum in Mozambique. <i>Archives of Microbiology</i> , 2020, 202, 2579-2590	3	4
18	Seed and leaf-spray inoculation of PGPR in brachiarias (Urochloa spp.) as an economic and environmental opportunity to improve plant growth, forage yield and nutrient status. <i>Plant and Soil</i> , 2021, 463, 171-186	4.2	4
17	Biological nitrogen fixation in soybean under water restriction and exposed to 1-methylcyclopropene. <i>Pesquisa Agropecuaria Brasileira</i> , 2016, 51, 818-823	1.8	4
16	Effect of Landfill Leachate on Cereal Nutrition and Productivity and on Soil Properties. <i>Journal of Environmental Quality</i> , 2016, 45, 1080-6	3.4	4
15	Draft Genome Sequence of Strain CNPSo 3391, Isolated from a Soybean Nodule in Mozambique. <i>Microbiology Resource Announcements</i> , 2019, 8,	1.3	4
14	Application of Landfill Leachate Improves Wheat Nutrition and Yield but Has Minor Effects on Soil Properties. <i>Journal of Environmental Quality</i> , 2017, 46, 153-159	3.4	3
13	Effect of Bacillus thuringiensis on microbial functional groups in sorghum rhizosphere. <i>Pesquisa Agropecuaria Brasileira</i> , 2006, 41, 873-877	1.8	3
12	Nitrogen in Shoots, Number of Tillers, Biomass Yield and Nutritive Value of Zuri Guinea Grass Inoculated with Plant-Growth Promoting Bacteria. <i>International Journal for Innovation Education and Research</i> , 2020, 8, 437-463	0.1	3
11	Impact of pesticides in properties of Bradyrhizobium spp. and in the symbiotic performance with soybean. <i>World Journal of Microbiology and Biotechnology</i> , 2020, 36, 172	4.4	3
10	Soybean tolerance to drought depends on the associated Bradyrhizobium strain. <i>Brazilian Journal of Microbiology</i> , 2020, 51, 1977-1986	2.2	3
9	Draft Genome Sequence of Bradyrhizobium elkanii Strain SEMIA 938, Used in Commercial Inoculants for spp. in Brazil. <i>Microbiology Resource Announcements</i> , 2019, 8,	1.3	2
8	Combining microorganisms in inoculants is agronomically important but industrially challenging: case study of a composite inoculant containing Bradyrhizobium and Azospirillum for the soybean crop. <i>AMB Express</i> , 2021, 11, 71	4.1	2
7	Interactions between arbuscular mycorrhizal fungi and exotic grasses differentially affect the establishment of seedlings of early- and late-successional woody species. <i>Applied Soil Ecology</i> , 2018, 124, 394-406	5	2
6	Biomass Yield, Nitrogen Content and Uptake, And Nutritive Value of Alfalfa Co-Inoculated with Plant-Growth Promoting Bacteria. <i>International Journal for Innovation Education and Research</i> , 2020, 8, 400-420	0.1	1

5	Inoculation with plant growth-promoting bacteria and reduction of nitrogen fertilizer in herbage accumulation and nutritional value of Mavuno grass. <i>International Journal for Innovation Education and Research</i> , 2021 , 9, 16-34	0.1	1
4	Microsphere stem blockage as a screen for nitrogen-fixation drought tolerance in soybean. <i>Physiologia Plantarum</i> , 2021 , 172, 1376-1381	4.6	1
3	So many rhizobial partners, so little nitrogen fixed: The intriguing symbiotic promiscuity of common bean (<i>Phaseolus vulgaris</i> L.). <i>Symbiosis</i> , 1	3	1
2	Microbiological quality analysis of inoculants based on <i>Bradyrhizobium</i> spp. and <i>Azospirillum</i> brasilense produced "on farm" reveals high contamination with non-target microorganisms.. <i>Brazilian Journal of Microbiology</i> , 2022 , 53, 267	2.2	0
1	Enrichment of organic compost with beneficial microorganisms and yield performance of corn and wheat. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2021 , 25, 332-339	0.9	